

Source: Nortel Networks
Title: WID, CAMEL Trunk Originated Trigger Detection Points
Agenda item: 10.1
Document for: Approval

Work Item Description

Title CAMEL Trunk Originated Trigger Detection Points

To enable CSE interaction for trunk-originated calls at the MSC/ SSP.

1 3GPP Work Area

	Radio Access
X	Core Network
X	Services

2 Linked work items

CAMEL Trunk Originated Trigger Detection Points (SA1)

3 Justification

CAMEL is currently defined for mobile originated & mobile forwarded calls in the VMSC, mobile terminated calls in the GMSC and VMSC and gsmSCF initiated new call or new party in an existing call. There are however some existing and new service scenarios that would benefit from CAMEL being defined for trunk originated calls at the MSC.

Some GSM-R operators want to use CAMEL to provide number translation functions in multi-vendor GSM-R networks. In addition to mobile originated calls, this requires CSE interaction for calls from fixed terminals (received over a trunk interface at the MSC) and calls from foreign GSM-R networks (received over a trunk interface at the MSC).

Operators who incorporate wireline access to existing CSE-based services may want to use the CAMEL standard to provide this capability for multi-vendor networks. This requires CSE interaction for calls from fixed terminals received at the MSC from a public (e.g. ISDN/ PSTN) trunk interface.

In addition, operators could use CAMEL trunk originated TDPs to allow access to existing CSE-based services for calls from fixed terminals received at the MSC from a private (i.e. PRI) trunk interface.

The CAMEL standard already provides Network CAMEL Service Information (N-CSI), to identify services offered by the serving PLMN operator equally for all subscribers. This new work item requires CAMEL Service Information to identify services offered by the serving PLMN operator for all calls received over a specific trunk at the MSC.

This Work Item Description describes the work to be done for CAMEL Phase 4 to include the feature 'CAMEL Trunk Originated TDPs.

4 Objectives

The objective of this work item is to create the required change requests to the existing CAMEL4 specifications to standardise:

- CAMEL trunk originated TDPs that are needed to enable CSE interaction for calls from GSM-R fixed terminals and from foreign GSM-R networks received over a trunk interface at the MSC.
- CAMEL trunk originated TDPs that would enable CSE interaction for calls from fixed networks (e.g. ISDN/ PSTN) received over a trunk interface at the MSC. This functionality requires collection of additional dialling to CSE for the case when PSTN sends digits one-by-one (overlap sending).

5 Service Aspects

New or existing services can be performed for calls received over a trunk interface at the MSC. Initial service events (that may trigger contact with the CSE) are 'collection of dialled digits' and 'analysis of dialled digits'.

6 MMI-Aspects

None

7 Charging Aspects

A trunk originated CAMEL record is required at the MSC.

8 Security Aspects

None

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes				X	
No	X	X	X		X
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
23.078		Stage 2 requirements		CN#28		
29.078		Stage 3 requirements		CN#28		

11 Work item raporteurs

David Hutton, Nortel Networks

12 Work item leadership

TSG CN WG4

13 Supporting Companies

Nortel Networks, Huawei, China Mobile, Nokia

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

CAMEL Trunk Originated Trigger Detection Points

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)